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TRAFFIC SPEED REPORT NO. 103

TO: J. F. McLaughlin, Director
Joint Highway Research Project

December 21, 1977

File: 8-3-3

FROM: H. L. Michael, Associate Director
Joint Highway Research Project

Project: C-36-10C

The attached Progress Report No. 103 on Traffic Speeds is the report of the October-December 1977 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. J. R. Mekemson, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

The results indicate that the average speed of passenger cars and trucks has increased since the July-September 1977 study. The average speeds of passenger cars and of heavy trucks were found to be 1.5 mph and 0.8 mph greater, respectively, than for the previous period. The percentage of all vehicles travelling more than 5 mph above the speed limit increased to 36 percent while 11 percent were more than 10 mph above the 55 mph limit.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,



Harold L. Michael
Associate Director

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Interim Report
TRAFFIC SPEED REPORT NO. 103

by

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Project No.: C-36-10C

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Conducted by

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Engineering Experiment Station
Purdue University

in cooperation with the

Indiana State Highway Commission

and the

U.S. Department of Transportation
Federal Highway Administration

The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration.

Purdue University
West Lafayette, Indiana
December 21, 1977

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16. Abstract <p>This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the October-December 1977 quarter.</p> <p>Analysis of the speeds showed the overall average speed for all vehicles was 58.7 mph. The overall average speed for passenger cars and all trucks was 59.3 mph and 58.1 mph respectively. These overall speeds are an increase over the results of the July-September 1977 quarter (Speed Report No. 102) of 1.2 mph for all vehicles, 1.5 mph for all passenger cars and 0.8 mph for heavy trucks.</p>			
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TRAFFIC SPEED REPORT NO. 103

This report is an analysis of spot speed observations made during October-December 1977. All observations were made of free-flowing vehicles on level, tangent sections of rural and urban highways during daylight and under favorable conditions.

The speed monitoring stations for each highway classification are divided into two groups. The first group is identified as "control stations" and were at the same locations on selected Federal and State highways as used in previous annual studies. These "control stations" are used in each quarterly study. The second group is selected at random for each quarterly study.

Fourteen speed monitoring stations were used for the study reported herein. Seven of these stations were the control stations noted above. The other seven stations were selected at random.

Stations were classified as two-lane, four-lane, rural interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations were as follows: (See Figure A).

Rural Interstate Highways

*RI-6 (I-65)	7.5 miles north of junction of SR 160
*RI-21 (I-69)	1.6 miles south of junction of SR 18
RI-22 (I-69)	7.3 miles north of SR3 interchange.
**RI-26 (I-80 & 90)	3.75 miles east of LaGrange-Elkhart Co. line 0 mile post marker 112

Four-Lane Highways

*4L-17 (U.S. 52)	Just east of Co. Rd. 475W, near Klondike
*4L-32 (U.S. 30)	2.9 miles west of Wanatah city limit sign
4L-1 (U.S. 41)	2.55 miles south of SR 64
4L-23 (U.S. 31)	3.95 miles north of Howard-Miami Co. line

Two-Lane Highways

*2L-18 (U.S. 35)	2.5 miles east of junction of I-69
*2L-54 (U.S. 231)	1.1 miles south of junction of SR 234
2L-55 (SR 67)	5.0 miles south of SR 39 and 67
2L-63 (SR 64)	2.75 miles east of Gibson-Pike Co. line

Urban Interstate Highways

*UI-6 (I-65)	East of White River Bridge
<u>UI-5 (I-465)</u>	Township Line Road Bridge

*Control stations

**Toll Road

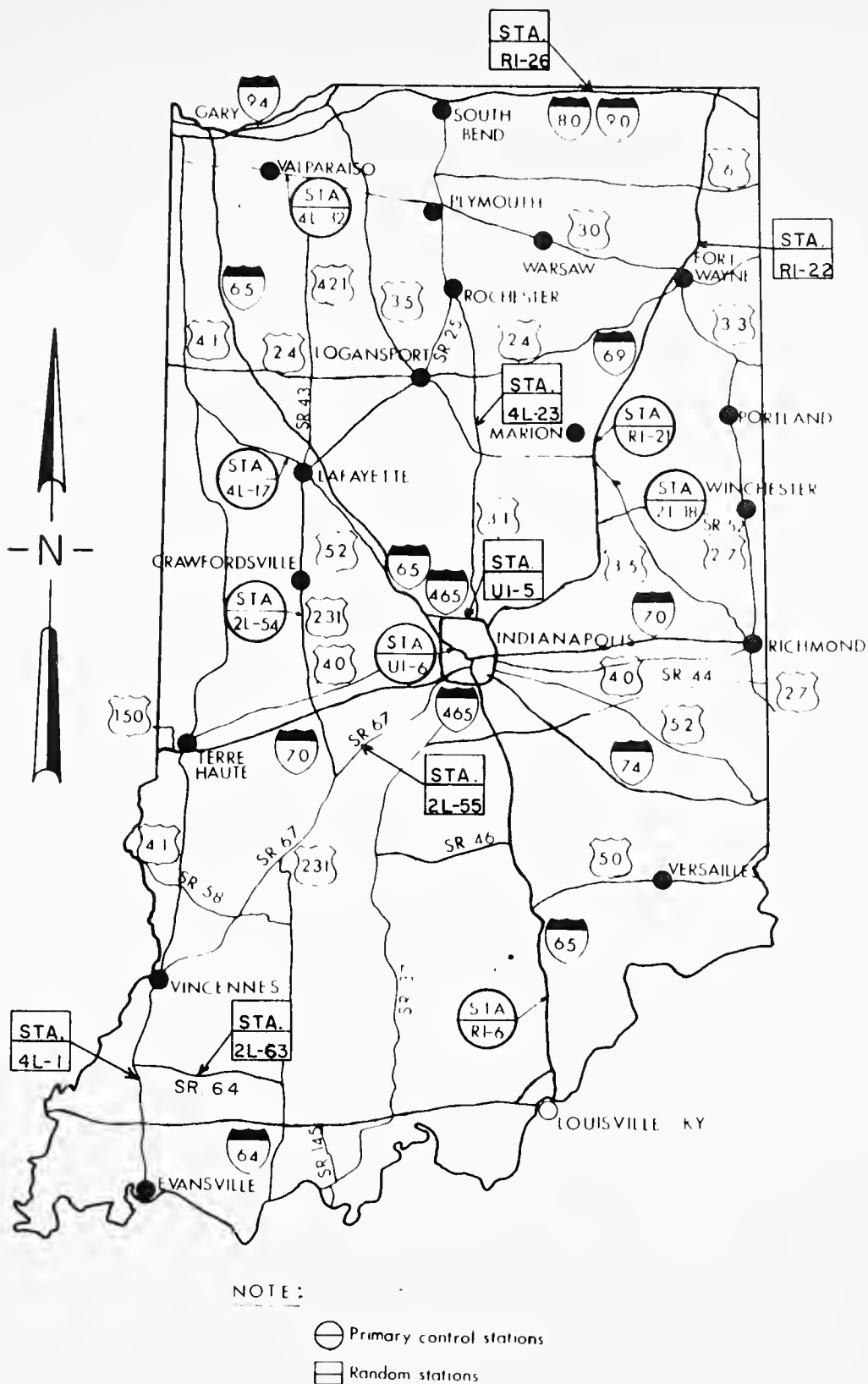


FIGURE A , LOCATIONS OF SPEED-STUDY STATIONS

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5000 lbs. gross weight) or Heavy (equal to or more than 5000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit in Indiana is 55 miles per hour, both on Interstate and other rural highways.

Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder. The van was equipped with one-way vision windows on the rear and side facing traffic so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for at least a following 15 minute period. Such periods rarely occurred. There was rarely indication, in fact, that motorists were ever aware of the presence of a speed measuring station while it was in operation.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than 10° . No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Tables 1 to 14 in the Appendix. Tables 15, 16, 17 and 18 summarize the data for rural interstate, four-lane, two-lane and urban interstate highways, respectively. Table 19 is the summary for all highways. Tables 20 through 34 are summaries in an FHWA format which is desired.

The average speed for each classification of vehicles on each type of highway for this study was as follows:

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	59.8	61.2	58.4	57.7
Non-Indiana	59.0	61.8	59.6	58.4
All Passenger Cars	59.7	61.5	58.6	57.8
85 Percentile (all)	62.9	66.1	62.9	63.0
<u>Trucks:</u>				
Less than 5000 lbs.	59.1	60.1	57.5	56.7
5000 lbs. or more	56.6	61.3	57.8	54.7
<u>All Vehicles:</u>				
Average	58.8	61.3	58.2	56.8
85 Percentile	62.9	66.0	62.7	62.3

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicle and each type of highway was as follows:

	<u>Interstate</u>		<u>Four Lane</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>		
<u>Passenger Cars:</u>				
Indiana	85.5	90.2	72.5	65.2
Non-Indiana	77.4	92.8	80.7	65.6
All Passenger Cars	84.5	91.5	73.7	65.2
<u>Trucks:</u>				
Less than 5000 lbs.	75.2	82.1	65.0	56.1
5000 lbs. or more	65.6	88.7	72.0	47.0
All Vehicles:	77.8	89.5	71.8	59.0

The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	<u>Urban</u>	<u>Interstate</u> <u>Rural</u>	<u>Other</u> <u>Four Lane</u> <u>Rural</u>	<u>Two Lane</u> <u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	39.3	49.4	32.3	29.8
Non-Indiana	33.9	55.9	40.7	28.1
All Passenger Cars	38.6	52.8	33.6	29.7
<u>Trucks:</u>				
Less than 5000 lbs.	35.8	45.8	28.6	27.2
5000 lbs. or more	20.7	57.3	29.1	15.7
<u>All Vehicles:</u>	33.3	53.8	31.6	25.8

The percent of vehicles traveling more than 10 miles per hour above the speed limit (exceeding 65 mph) for each case was as follows:

	<u>Urban</u>	<u>Interstate</u> <u>Rural</u>	<u>Other</u> <u>Four Lane</u> <u>Rural</u>	<u>Two Lane</u> <u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	10.7	17.9	8.0	9.5
Non-Indiana	4.8	20.3	11.0	10.9
All Passenger Cars	10.0	19.2	8.5	9.6
<u>Trucks:</u>				
Less than 5000 lbs.	8.8	18.5	8.6	7.8
5000 lbs. or more	1.7	20.2	7.3	2.9
<u>All Vehicles:</u>	7.5	19.5	8.2	7.6

Summary and Conclusions

The overall average speeds for all vehicles and for all passenger cars in this study were found to be 58.7 mph and 59.3 mph, respectively. The overall average speeds for heavy trucks and for all trucks were found to be 58.2 mph and 58.1, respectively. These overall speeds show an increase over the results of the July-September 1977 quarter of 1.2 mph for all vehicles and 1.5 mph for all passenger cars. The overall average speeds for heavy trucks and for all trucks were respectively 0.8 mph and 1.1 mph more than the results for the July-September 1977 study.

Table A presents a comparison of the overall speed results with that of the previous two studies. The 85th percentiles and the average speeds have increased considerably when compared to the previous July-September 1977 study.

A comparison of October-December 1977 speed data with that for other recent periods for several types of highways for passenger cars and trucks is shown in Tables B, C, D, and E. Speeds increased on all highway types for both passenger cars and trucks except for heavy trucks on Urban Interstate where a slight decrease was recorded, when compared to the July-September 1977 study. The largest increase occurred on Rural Interstates.

TABLE A
COMPARISON OF THE OVERALL SPEED RESULTS

	Oct.-Dec. 1977	July-Sept. 1977	April-June 1977
<u>Average</u>			
All Passenger Cars	59.3	57.8	58.1
Heavy Trucks	58.2	57.4	58.6
All Trucks	58.1	57.0	58.0
<u>85 Percentile:</u>			
All Passenger Cars	64.0	62.6	63.0
Heavy Trucks	63.4	62.5	63.3
All Trucks	63.3	62.3	63.0
<u>15 Percentile</u>			
Heavy Trucks	52.0	51.1	52.9

TABLE B
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (URBAN)

	Oct.-Dec. 1977	July-Sept. 1977	April-June 1977	Jan.-Mar. 1977
<u>Passenger Cars:</u>				
Indiana	59.8	58.7	58.7	57.0
Non-Indiana	59.0	59.0	59.1	57.1
All Passenger Cars	59.7	58.8	58.8	57.0
85 Percentile (all)	63.8	62.7	62.9	61.5
<u>Trucks:</u>				
Less than 5000 lbs.	59.1	57.7	57.7	55.9
5000 lbs. or more	56.6	58.2	58.9	56.2

TABLE C
AVERAGE SPEEDS ON INTERSTATE HIGHWAYS (RURAL)

	Oct.-Dec. 1977	July-Sept. 1977	April-June 1977	Jan.-Mar. 1977
<u>Passenger Cars:</u>				
Indiana	61.2	60.1	60.4	60.1
Non-Indiana	61.8	60.1	60.5	61.0
All Passenger Cars	61.5	60.1	60.5	60.5
85 Percentile (all)	66.1	64.5	64.8	64.7
<u>Trucks:</u>				
Less than 5000 lbs.	60.1	58.4	59.3	58.0
5000 lbs. or more	61.3	59.7	60.9	59.3

TABLE D
AVERAGE SPEEDS ON OTHER FOUR-LANE HIGHWAYS

	Oct.-Dec. 1977	July-Sept. 1977	April-June 1977	Jan.-Mar. 1977
<u>Passenger Cars:</u>				
Indiana	58.4	57.0	57.1	56.7
Non-Indiana	59.6	58.1	57.8	58.7
All Passenger Cars	58.6	57.2	57.2	57.0
85 Percentile (all)	62.9	62.0	61.9	61.7
<u>Trucks:</u>				
Less than 5000 lbs.	57.5	55.7	56.7	54.8
5000 lbs. or more	57.8	56.6	58.0	54.8

TABLE E
AVERAGE SPEEDS ON TWO-LANE HIGHWAYS

	Oct.-Dec. 1977	July-Sept. 1977	April-June 1977	Jan.-Mar. 1977
<u>Passenger Cars:</u>				
Indiana	57.7	55.9	56.3	56.5
Non-Indiana	58.4	55.9	57.3	58.3
All Passenger Cars	57.8	55.9	56.4	56.7
85 Percentile (all)	63.0	60.9	61.4	61.8
<u>Trucks:</u>				
Less than 5000 lbs.	56.7	54.9	55.6	55.8
5000 lbs. or more	54.7	53.5	55.1	53.5

TABLE 1 SPEED DATA

STATION RI-6 HIGHWAY I-65 LOCATION 7.5 north of SR 160

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Cloudy

THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 102)

DATE 11-9-77

DATE 8-10-77

TIME 12:10 - 1:00 PM SB

TIME 12:19 - 1:00 PM SB

1:07 - 2:55 PM NB

1:15 - 1:56 PM NB

	PASSENGER CARS										TRUCKS																			
	ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.				
	PRES-		ENT		LAST	PRES-		ENT		LAST	PRES-		ENT		LAST	PRES-		ENT		LAST	PRES-		ENT		LAST	PRES-		ENT		LAST
OBSERVATION	LAST	ENT	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	
NUMBER OF VEHICLES	246	223	134	128	112	95	95	184	200	57	50	50	57	50	50	127	150													
AVE. SPEED (MPH)	60.70	60.66	60.70	60.66	60.90	60.67	60.67	60.10	59.69	59.80	59.34	60.20	59.81	59.34	60.20	59.81														
STANDARD DEVIATION	5.400	4.749	5.210	4.916	5.640	4.542	4.680	5.221	5.460	6.133	4.897																			
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
49 MPH	1.2	4	1.5	8	9	0	0	1.1	3.5	1.8	6.0	2.7	12.7	6.0	2.7	8	2.7													
54 MPH	9.4	7.6	9.7	7.8	8.9	7.4	7.4	10.3	13.5	14.0	16.0	12.7	12.7	16.0	12.7	12.7														
59 MPH	45.1	43.5	42.5	46.1	48.2	40.0	40.0	44.6	51.0	56.1	58.0	48.7	48.7	58.0	48.7	48.7														
64 MPH	80.1	80.7	79.8	78.9	80.4	83.2	83.2	85.3	81.0	82.5	80.0	81.3	81.3	80.0	81.3	81.3														
69 MPH	94.3	94.6	95.5	95.3	92.9	93.7	93.7	97.3	98.0	94.7	96.0	98.7	98.7	96.0	98.7	98.7														
74 MPH	98.4	99.6	97.8	99.2	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0														
79 MPH	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0														
84 MPH	99.6	100.0	100.0	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0														
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0														
DIRECTION NB																														
NUMBER OF VEHICLES	131	112	71	67	60	45	45	84	100	25	29	59	71	29	59	71														
AVERAGE SPEED	59.40	60.52	59.30	60.43	59.50	60.64	60.64	58.60	59.89	57.40	57.72	59.10	60.77	57.72	59.10	60.77														
DIRECTION SB																														
NUMBER OF VEHICLES	115	111	61	61	52	50	50	100	100	32	21	68	79	21	68	79														
AVERAGE SPEED	62.30	60.81	62.20	60.90	62.50	60.70	60.70	61.30	59.49	61.60	61.57	61.20	58.94	61.57	61.20	58.94														

TABLE 2--SPEED DATA

STATION	RI-21	HIGHWAY	I-69	LOCATION	1.6 miles south of SR 18	WEATHER	Pt. Cloudy
NO. OF LANES	4	TYPE OF SURFACE	Concrete				

THIS CESERVATION	LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 102)
100	100
101	101
102	102
103	103
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105	105
106	106
107	107
108	108
109	109
110	110
111	111
112	112
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200	200

DATE 11-21-77
TIME 10:29 - 11:22 AM SB
11:32 AM - 12:28 PM RB

ALL	PASSENGER CARS	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.
PRES-	PRES-	PRES-	PRES-	PRES-	PRES-	PRES-
TRUCKS	TRUCKS	TRUCKS	TRUCKS	TRUCKS	TRUCKS	TRUCKS

[illegible]

C

[illegible][illegible][illegible][illegible][illegible][illegible]

LESS THAN
-65%
-60%
-55%
-50%
-45%
-40%
-35%
-30%
-25%
-20%
-15%
-10%
-5%
0%
5%
10%
15%
20%
25%
30%
35%
40%
45%
50%
55%
60%
65%

[illegible][illegible][illegible]

DIRECTION NB

Country	Year	Value	Unit
Algeria	1990	1.0	kg
Algeria	1991	1.0	kg
Algeria	1992	1.0	kg
Algeria	1993	1.0	kg
Algeria	1994	1.0	kg
Algeria	1995	1.0	kg
Algeria	1996	1.0	kg
Algeria	1997	1.0	kg
Algeria	1998	1.0	kg
Algeria	1999	1.0	kg
Algeria	2000	1.0	kg
Algeria	2001	1.0	kg
Algeria	2002	1.0	kg
Algeria	2003	1.0	kg
Algeria	2004	1.0	kg
Algeria	2005	1.0	kg
Algeria	2006	1.0	kg
Algeria	2007	1.0	kg
Algeria	2008	1.0	kg
Algeria	2009	1.0	kg
Algeria	2010	1.0	kg
Algeria	2011	1.0	kg
Algeria	2012	1.0	kg
Algeria	2013	1.0	kg
Algeria	2014	1.0	kg
Algeria	2015	1.0	kg
Algeria	2016	1.0	kg
Algeria	2017	1.0	kg
Algeria	2018	1.0	kg
Algeria	2019	1.0	kg
Algeria	2020	1.0	kg
Algeria	2021	1.0	kg
Algeria	2022	1.0	kg
Algeria	2023	1.0	kg
Algeria	2024	1.0	kg
Algeria	2025	1.0	kg
Algeria	2026	1.0	kg
Algeria	2027	1.0	kg
Algeria	2028	1.0	kg
Algeria	2029	1.0	kg
Algeria	2030	1.0	kg
Algeria	2031	1.0	kg
Algeria	2032	1.0	kg
Algeria	2033	1.0	kg
Algeria	2034	1.0	kg
Algeria	2035	1.0	kg
Algeria	2036	1.0	kg
Algeria	2037	1.0	kg
Algeria	2038	1.0	kg
Algeria	2039	1.0	kg
Algeria	2040	1.0	kg
Algeria	2041	1.0	kg
Algeria	2042	1.0	kg
Algeria	2043	1.0	kg
Algeria	2044	1.0	kg
Algeria	2045	1.0	kg
Algeria	2046	1.0	kg
Algeria	2047	1.0	kg
Algeria	2048	1.0	kg
Algeria	2049	1.0	kg
Algeria	2050	1.0	kg
Algeria	2051	1.0	kg
Algeria	2052	1.0	kg
Algeria	2053	1.0	kg
Algeria	2054	1.0	kg
Algeria	2055	1.0	kg
Algeria	2056	1.0	kg
Algeria	2057	1.0	kg
Algeria	2058	1.0	kg
Algeria	2059	1.0	kg
Algeria	2060	1.0	kg
Algeria	2061	1.0	kg
Algeria	2062	1.0	kg
Algeria	2063	1.0	kg
Algeria	2064	1.0	kg
Algeria	2065	1.0	kg
Algeria	2066	1.0	kg
Algeria	2067	1.0	kg
Algeria	2068	1.0	kg
Algeria	2069	1.0	kg
Algeria	2070	1.0	kg
Algeria	2071	1.0	kg
Algeria	2072	1.0	kg
Algeria	2073	1.0	kg
Algeria	2074	1.0	kg
Algeria	2075	1.0	kg
Algeria	2076	1.0	kg
Algeria	2077	1.0	kg
Algeria	2078	1.0	kg
Algeria	2079	1.0	kg
Algeria	2080	1.0	kg
Algeria	2081	1.0	kg
Algeria	2082	1.0	kg
Algeria	2083	1.0	kg
Algeria	2084	1.0	kg
Algeria	2085	1.0	kg
Algeria			

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Run	Time	Average Speed	Time	Average Speed
1	60.10	59.97	59.60	59.20
2	60.10	59.97	59.60	59.20
3	60.10	59.97	59.60	59.20
4	60.10	59.97	59.60	59.20
5	60.10	59.97	59.60	59.20
6	60.10	59.97	59.60	59.20
7	60.10	59.97	59.60	59.20
8	60.10	59.97	59.60	59.20
9	60.10	59.97	59.60	59.20
10	60.10	59.97	59.60	59.20
11	60.10	59.97	59.60	59.20
12	60.10	59.97	59.60	59.20
13	60.10	59.97	59.60	59.20
14	60.10	59.97	59.60	59.20
15	60.10	59.97	59.60	59.20
16	60.10	59.97	59.60	59.20
17	60.10	59.97	59.60	59.20
18	60.10	59.97	59.60	59.20
19	60.10	59.97	59.60	59.20
20	60.10	59.97	59.60	59.20
21	60.10	59.97	59.60	59.20
22	60.10	59.97	59.60	59.20
23	60.10	59.97	59.60	59.20
24	60.10	59.97	59.60	59.20
25	60.10	59.97	59.60	59.20
26	60.10	59.97	59.60	59.20
27	60.10	59.97	59.60	59.20
28	60.10	59.97	59.60	59.20
29	60.10	59.97	59.60	59.20
30	60.10	59.97	59.60	59.20
31	60.10	59.97	59.60	59.20
32	60.10	59.97	59.60	59.20
33	60.10	59.97	59.60	59.20
34	60.10	59.97	59.60	59.20
35	60.10	59.97	59.60	59.20
36	60.10	59.97	59.60	59.20
37	60.10	59.97	59.60	59.20
38	60.10	59.97	59.60	59.20
39	60.10	59.97	59.60	59.20
40	60.10	59.97	59.60	59.20
41	60.10	59.97	59.60	59.20
42	60.10	59.97	59.60	59.20
43	60.10	59.97	59.60	59.20
44	60.10	59.97	59.60	59.20
45	60.10	59.97	59.60	59.20
46	60.10	59.97	59.60	59.20
47	60.10	59.97	59.60	59.20
48	60.10	59.97	59.60	59.20
49	60.10	59.97	59.60	59.20
50	60.10	59.97	59.60	59.20
51	60.10	59.97	59.60	59.20
52	60.10	59.97	59.60	59.20
53	60.10	59.97	59.60	59.20
54	60.10	59.97	59.60	59.20
55	60.10	59.97	59.60	59.20
56	60.10	59.97	59.60	59.20
57	60.10	59.97	59.60	59.20
58	60.10	59.97	59.60	59.20
59	60.10	59.97	59.60	59.20
60	60.10	59.97	59.60	59.20
61	60.10	59.97	59.60	59.20
62	60.10	59.97	59.60	59.20
63	60.10	59.97	59.60	59.20
64	60.10	59.97	59.60	59.20
65	60.10	59.97	59.60	59.20
66	60.10	59.97	59.60	59.20
67	60.10	59.97	59.60	59.20
68	60.10	59.97	59.60	59.20
69	60.10	59.97		

TABLE 3 SPEED DATA

STATION RI-22 HIGHWAY I-69 LOCATION 7.3 miles south of SR 3 Interchange

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER Cloudy

THIS CENSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 11-22-77

TIME 9:28 - 10:30 AM NR

10:51 - 11:57 AM SB

PASSENGER CARS										TRUCKS																								
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.									
PRES-					ENI					LASI					ENI					LASI					ENI					LASI				
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TABLE 4--SPEED DATA

STATION RI-26 HIGHWAY I-80 & 90 LOCATION 3.75 miles east of LaGrange-Elkhart Co. Line
 NO. OF LANES 4 TYPE OF SURFACE Concrete at 112 mile post marker; TOLL ROAD WEATHER Clear

THIS CENSERVATION

DATE 11-16-77
 TIME 12:34 - 1:48 PM EB
2:09 - 3:13 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE
 TIME

	PASSENGER CARS										TRUCKS									
	INDIANA					NON-INDIANA					ALL					<5000 LBS.				
	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	LAST	ENT	PRES-	LAST	ENT	LAST	PRES-
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	0	152	0	18	0	141	0	272	0	272	0	23	0	23	0	249	0	249	0	249
AVE. SPEED (MPH)	0	62.06	0	61.06	0	62.19	0	62.81	0	62.81	0	63.17	0	63.17	0	62.78	0	62.78	0	62.78
STANDARD DEVIATION	0	4.811	0	4.832	0	4.811	0	4.891	0	4.891	0	5.758	0	5.758	0	4.815	0	4.815	0	4.815
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 MPH	0	3.1	0	11.1	0	2.1	0	1.1	0	1.1	0	4.3	0	4.3	0	1.2	0	1.2	0	1.2
59 MPH	0	28.3	0	38.5	0	27.0	0	23.5	0	23.5	0	21.7	0	21.7	0	2.8	0	2.8	0	2.8
64 MPH	0	74.8	0	72.2	0	75.2	0	66.2	0	66.2	0	60.9	0	60.9	0	23.7	0	23.7	0	23.7
69 MPH	0	92.5	0	100.0	0	91.5	0	89.7	0	89.7	0	82.6	0	82.6	0	66.7	0	66.7	0	66.7
74 MPH	0	98.1	0	100.0	0	97.9	0	99.3	0	99.3	0	100.0	0	100.0	0	50.4	0	50.4	0	50.4
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	99.2	0	99.2	0	99.2
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION	EB																			
NUMBER OF VEHICLES	0	64	0	7	0	57	0	152	0	152	0	15	0	15	0	137	0	137	0	137
AVERAGE SPEED	0	61.80	0	60.29	0	61.98	0	63.33	0	63.33	0	63.67	0	63.67	0	62.29	0	62.29	0	62.29
DIRECTION	WB																			
NUMBER OF VEHICLES	0	55	0	11	0	84	0	120	0	120	0	8	0	8	0	112	0	112	0	112
AVERAGE SPEED	0	62.24	0	61.55	0	62.33	0	62.15	0	62.15	0	62.25	0	62.25	0	62.14	0	62.14	0	62.14

TABLE 5 SPEED DATA

STATION 41-17 HIGHWAY U.S. 52 LOCATION 150 feet east of county road 475W

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS CENSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 102)

DATE 11-8-77

DATE 5-9-77

TIME 9:29 - 11:26 AM WB

TIME 9:36 - 11:15 AM WB

12:29 - 1:44 PM EB

11:20 AM - 1:04 PM EB

	PASSENGER CARS			INDIANA			NON-INDIANA			ALL			TRUCKS		
	LASI	ENI	PRES-	LASI	ENI	PRES-	LASI	ENI	PRES-	LASI	ENI	PRES-	LASI	ENI	PRES-
OBSERVATION	278	281	246	264	32	17	151	150	150	89	93	62	62	57	57
NUMBER OF VEHICLES	56.80	57.76	56.60	57.61	58.00	60.06	56.10	55.91	55.24	56.30	55.94	55.80	55.80	55.86	55.86
AVE. SPEED (MPH)	5.900	5.506	6.000	5.527	5.000	4.736	7.250	6.159	6.544	7.040	6.544	7.580	7.580	5.531	5.531
STANDARD DEVIATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	7	0	8	0	0	0	0	2.0	3.2	0	2.2	3.2	3.2	1.8	1.8
44 MPH	4.0	4	4.5	4	0	0	6.0	3.3	3.2	3.4	3.2	2.7	2.7	3.5	3.5
49 MPH	8.3	7.5	8.5	8.0	6.3	0	13.9	14.0	16.1	10.1	16.1	19.4	19.4	10.5	10.5
54 MPH	28.8	25.3	30.9	26.5	12.5	5.9	35.1	38.0	39.8	40.5	39.8	27.4	27.4	35.1	35.1
59 MPH	71.9	61.9	72.4	62.9	68.8	47.1	74.2	77.0	69.9	78.7	69.9	67.7	67.7	80.7	80.7
64 MPH	91.0	89.7	91.9	90.9	84.4	70.6	92.7	92.0	90.3	94.4	90.3	90.3	90.3	94.7	94.7
69 MPH	98.2	97.9	98.0	97.7	100.0	100.0	98.7	98.2	98.9	97.8	98.9	100.0	100.0	98.2	98.2
74 MPH	99.6	99.3	99.6	99.2	100.0	100.0	99.3	100.0	100.0	98.9	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	100.0	98.9	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	100.0	98.9	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	99.3	100.0	100.0	98.9	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB	EB
NUMBER OF VEHICLES	146	144	131	135	15	9	69	74	50	43	50	26	26	24	24
AVERAGE SPEED	56.20	58.15	55.90	58.01	58.10	60.33	54.50	55.82	55.80	54.60	55.80	54.30	54.30	55.88	55.88
DIRECTION	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB	WB
NUMBER OF VEHICLES	132	137	115	129	17	8	82	76	43	46	43	36	36	33	33
AVERAGE SPEED	57.40	57.35	57.30	57.20	57.80	59.75	57.50	55.99	56.09	57.90	57.00	57.00	57.00	55.85	55.85

TABLE 6 SPEED DATA

STATION 4L-22 HIGHWAY US 30 LOCATION 2.9 miles west of Wamatah city limit sign

NO. OF LANES 4 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS CERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 102)

DATE 11-18-77

DATE 7-20-77

TIME 9:28 - 10:16 AM WB

TIME 9:05 - 10:17 PM EB

10:34 - 11:28 AM EB

10:31 PM - 12:04 AM WB

	PASSENGER CARS				NON-INDIANA				ALL				TRUCKS			
	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
OBSERVATION	180	213	131	177	49	36	248	226	47	53	201	173	47	53	201	173
NUMBER OF VEHICLES	57.50	59.09	57.40	59.01	57.50	59.50	58.50	59.18	57.30	58.36	58.80	59.43	57.30	58.36	58.80	59.43
AVERAGE SPEED (MPH)	4.790	5.263	4.510	5.332	5.540	4.966	4.530	5.241	4.130	5.488	4.580	5.154	4.130	5.488	4.580	5.154
STANDARD DEVIATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VEHICLES	2.8	3.8	8	4.6	8.2	2.8	16.9	4.0	4.3	3.8	1.4	4.0	4.3	3.8	1.4	4.0
TRAVELING	27.8	15.5	27.5	15.8	28.6	13.9	16.9	16.4	23.4	24.2	12.4	13.9	23.4	24.2	12.4	13.9
AT OR	69.4	58.2	71.8	58.8	63.3	55.6	55.2	51.8	68.1	56.6	52.2	50.2	68.1	56.6	52.2	50.2
LESS THAN	92.2	85.9	92.4	87.0	91.8	80.6	91.9	87.6	97.9	84.9	90.6	88.4	97.9	84.9	90.6	88.4
	97.8	95.8	98.5	96.0	95.9	94.4	100.0	98.2	100.0	100.0	100.0	97.7	100.0	100.0	100.0	97.7
	100.0	99.5	100.0	99.4	100.0	100.0	100.0	99.6	100.0	100.0	100.0	99.4	100.0	100.0	100.0	99.4
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB															
NUMBER OF VEHICLES	94	108	68	89	26	19	121	114	24	29	97	85	24	29	97	85
AVERAGE SPEED	57.60	61.00	57.70	60.85	57.50	61.68	59.30	60.82	56.80	58.66	59.90	61.55	56.80	58.66	59.90	61.55
DIRECTION	WB															
NUMBER OF VEHICLES	86	105	63	88	23	17	127	112	23	24	104	88	23	24	104	88
AVERAGE SPEED	57.30	57.12	57.20	57.14	57.50	57.06	57.80	57.51	57.80	58.00	57.80	57.37	57.80	58.00	57.80	57.37

TABLE 7. SPEED DATA

STATION	41-1	HIGHWAY	US 41	LOCATION	2.55 miles south of SR 64	WEATHER	Cloudy, Cold
NO. OF LANES	4	TYPE OF SURFACE	LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)				
THIS CESERVATION							
DATE	11-10-77	DATE					
TIME	1:24 - 2:10 PM	TIME					
	2:29 - 3:23 PM						
	NB						
PASSENGER CARS							
INDIANA							
ALL PRES-							
NON-INDIANA PRES-							
ALL PRES-							
TRUCKS							
<5000 LBS. PRES-							
>5000 LBS. PRES-							
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST
NUMBER OF VEHICLES	0	233	0	58	0	195	0
AVE. SPEED (MPH)	0	58.26	0	59.10	0	57.50	0
STANDARD DEVIATION	0	5.382	0	5.556	0	5.856	0
24 MPH	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0
44 MPH	0	4	0	0	0	1.5	0
49 MPH	0	5.6	0	3.4	0	2.6	0
54 MPH	0	19.7	0	19.0	0	25.1	0
59 MPH	0	52.7	0	53.4	0	68.2	0
64 MPH	0	88.8	0	84.5	0	90.3	0
69 MPH	0	97.4	0	98.3	0	97.4	0
74 MPH	0	99.6	0	98.3	0	99.5	0
79 MPH	0	99.6	0	98.3	0	95.5	0
84 MPH	0	100.0	0	100.0	0	100.0	0
89 MPH	0	100.0	0	100.0	0	100.0	0
DIRECTION - NB							
NUMBER OF VEHICLES	0	112	0	29	0	103	0
AVERAGE SPEED	0	57.68	0	57.62	0	56.38	0
DIRECTION - SB							
NUMBER OF VEHICLES	0	121	0	29	0	92	0
AVERAGE SPEED	0	58.80	0	60.59	0	58.75	0

TABLE 3 SPEED DATA

STATION 4L-22 HIGHWAY US 31 LOCATION 3.95 miles north of Howard-Miami County Line

NO. OF LANES 4 TYPE CF SURFACE Concrete WEATHER Cloudy

THIS CERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 11-17-77

TIME 10:30 - 11:20 AM NB

11:40 AM - 12:19 PM SB

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS	>5000 LBS	FRES	FRES
OBSERVATION	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI
NUMBER OF VEHICLES	0	265	0	34	0	64	0	109
AVERAGE SPEED (MPH)	0	59.22	0	60.47	0	58.67	0	56.94
STANDARD DEVIATION	0	4.933	0	4.794	0	5.509	0	5.055
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0
44 MPH	0	4	0	0	0	1.6	0	1.8
49 MPH	0	1.5	0	0	0	3.1	0	3.2
54 MPH	0	16.2	0	2.9	0	23.4	0	27.5
59 MPH	0	53.6	0	44.1	0	59.4	0	72.5
64 MPH	0	89.1	0	82.4	0	90.6	0	92.7
69 MPH	0	97.0	0	97.1	0	96.9	0	100.0
74 MPH	0	99.2	0	97.1	0	98.4	0	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB								
NUMBER OF VEHICLES	0	125	0	12	0	35	0	62
AVERAGE SPEED	0	59.54	0	61.17	0	58.63	0	57.69
DIRECTION SB								
NUMBER OF VEHICLES	0	140	0	22	0	29	0	47
AVERAGE SPEED	0	58.93	0	60.09	0	58.72	0	55.96

TABLE 10 SPEED DATA

STATION 2L-54 HIGHWAY US 231 LOCATION 1.1 miles south of SR 234

NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Cloudy

THIS OBSERVATION DATE 11-15-77 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 102)
 TIME 10:43 AM - 1:37 PM DATE 7-29-77
 TIME 10:14 AM - 12:42 PM

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.	PRES-	PRES-
OROSERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	241	211	216	195	216	216	86	110
AVERAGE SPEED (MPH)	55.70	57.59	55.60	57.56	57.61	57.77	55.50	57.47
STANDARD DEVIATION	5.820	6.073	5.810	6.111	6.923	7.799	5.880	6.163
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	8	0	9	0	0	0	0	1.7
44 MPH	5.0	5	5.1	5	4.2	4.2	5.4	4.2
49 MPH	10.8	7.1	11.6	7.2	11.6	13.5	13.6	10.0
54 MPH	38.6	29.9	38.0	29.7	26.9	31.3	41.8	23.3
59 MPH	78.8	67.3	79.2	67.2	61.1	60.4	77.3	61.7
64 MPH	94.6	90.0	95.4	90.8	88.0	84.4	96.4	90.8
69 MPH	98.8	94.8	98.6	94.9	97.2	93.8	99.1	100.0
74 MPH	100.0	99.1	100.0	99.0	98.6	96.9	99.1	100.0
79 MPH	100.0	99.5	100.0	99.5	99.5	99.0	100.0	100.0
84 MPH	100.0	99.5	100.0	99.5	99.5	99.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	99.5	99.0	100.0	100.0
DIRECTION NB								
NUMBER OF VEHICLES	110	106	102	101	106	47	59	59
AVERAGE SPEED	56.00	59.30	55.90	59.16	58.94	58.89	54.80	58.98
DIRECTION SB								
NUMBER OF VEHICLES	131	105	114	94	110	49	51	61
AVERAGE SPEED	55.40	55.86	55.30	55.85	56.32	56.69	56.30	56.02

TABLE 11 SPEED DATA

STATION 2L-55 HIGHWAY SR 67 LOCATION 5 miles south of SR 39 & 67
 NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Clear

THIS CESERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE 11-11-77
 TIME 9:33 - 11:31 AM

PASSENGER CARS										TRUCKS																			
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS					>5000 LBS				
PRES-					PRES-					PRES-					PRES-					PRES-					PRES-				
OBSERVATION					OBSERVATION					OBSERVATION					OBSERVATION					OBSERVATION					OBSERVATION				
NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES				
AVE. SPEED (MPH)					AVE. SPEED (MPH)					AVE. SPEED (MPH)					AVE. SPEED (MPH)					AVE. SPEED (MPH)					AVE. SPEED (MPH)				
STANDARD DEVIATION					STANDARD DEVIATION					STANDARD DEVIATION					STANDARD DEVIATION					STANDARD DEVIATION					STANDARD DEVIATION				
24 MPH					24 MPH					24 MPH					24 MPH					24 MPH					24 MPH				
29 MPH					29 MPH					29 MPH					29 MPH					29 MPH					29 MPH				
34 MPH					34 MPH					34 MPH					34 MPH					34 MPH					34 MPH				
39 MPH					39 MPH					39 MPH					39 MPH					39 MPH					39 MPH				
44 MPH					44 MPH					44 MPH					44 MPH					44 MPH					44 MPH				
49 MPH					49 MPH					49 MPH					49 MPH					49 MPH					49 MPH				
54 MPH					54 MPH					54 MPH					54 MPH					54 MPH					54 MPH				
59 MPH					59 MPH					59 MPH					59 MPH					59 MPH					59 MPH				
64 MPH					64 MPH					64 MPH					64 MPH					64 MPH					64 MPH				
69 MPH					69 MPH					69 MPH					69 MPH					69 MPH					69 MPH				
74 MPH					74 MPH					74 MPH					74 MPH					74 MPH					74 MPH				
79 MPH					79 MPH					79 MPH					79 MPH					79 MPH					79 MPH				
84 MPH					84 MPH					84 MPH					84 MPH					84 MPH					84 MPH				
89 MPH					89 MPH					89 MPH					89 MPH					89 MPH					89 MPH				
DIRECTION					DIRECTION					DIRECTION					DIRECTION					DIRECTION					DIRECTION				
NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES				
AVERAGE SPEED					AVERAGE SPEED					AVERAGE SPEED					AVERAGE SPEED					AVERAGE SPEED					AVERAGE SPEED				
DIRECTION					DIRECTION					DIRECTION					DIRECTION					DIRECTION					DIRECTION				
NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES					NUMBER OF VEHICLES				
AVERAGE SPEED					AVERAGE SPEED					AVERAGE SPEED					AVERAGE SPEED					AVERAGE SPEED					AVERAGE SPEED				

TABLE 12 SPEED DATA

STATION 2L-62 HIGHWAY SR 64 LOCATION 2.75 miles east of Gibson-Pike County Line
 NO. OF LANES 2 TYPE OF SURFACE Asphalt WEATHER Cloudy, Cold

THIS CESERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)

DATE 11-10-77 DATE
 TIME 9:13 AM TIME

										PASSENGER CARS										TRUCKS														
										INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.				
										PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-		PRES-				
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	LBS.	ENT	LBS.	ENT	LBS.	LBS.	ENT	LBS.	ENT	LBS.	LBS.	ENT	LBS.	ENT	LBS.	ENT	LBS.	ENT	LBS.	ENT	LBS.				
NUMBER OF VEHICLES	0	228	0	220	0	8	0	233	0	0	233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
AVE. SPEED (MPH)	0	55.08	0	55.05	0	55.88	0	53.05	0	0	53.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
STANDARD DEVIATION	0	6.430	0	6.492	0	6.643	0	6.311	0	0	6.311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
44 MPH	0	3.9	0	4.1	0	0	0	2.6	0	0	2.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
49 MPH	0	18.9	0	19.1	0	0	0	10.3	0	0	10.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
54 MPH	0	50.9	0	51.4	0	0	0	27.0	0	0	27.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
59 MPH	0	75.9	0	75.9	0	0	0	57.9	0	0	57.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
64 MPH	0	93.4	0	93.2	0	0	0	85.4	0	0	85.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
69 MPH	0	97.8	0	97.7	0	0	0	96.1	0	0	96.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
74 MPH	0	99.6	0	99.5	0	0	0	99.6	0	0	99.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
79 MPH	0	100.0	0	100.0	0	0	0	100.0	0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
84 MPH	0	100.0	0	100.0	0	0	0	100.0	0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
89 MPH	0	100.0	0	100.0	0	0	0	100.0	0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
DIRECTION - EB																																		
NUMBER OF VEHICLES	0	95	0	94	0	1	0	114	0	0	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
AVERAGE SPEED	0	56.61	0	56.66	0	52.00	0	53.18	0	0	53.18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
DIRECTION - WB																																		
NUMBER OF VEHICLES	0	133	0	126	0	7	0	119	0	0	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
AVERAGE SPEED	0	53.98	0	53.85	0	56.43	0	52.92	0	0	52.92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

TABLE 13 SPEED DATA		
STATION	HIGHWAY	LOCATION
UI-6	I-65	Just east of White River

STATION UI-6 HIGHWAY I-65

NO. OF LANES 6 TYPE CF SURFACE Concrete

WEATHER Clear

THIS CERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 102)

DATE 11-14-77

DATE 8-1-77

TIME 1:08 - 1:35 PM EB

TIME 10:29 - 10:58 AM EB

1:48 - 2:14 PM WB

11:12 - 11:33 AM WB

OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LASI	ENI	PRES-	LASI	ENI	PRES-	LASI	ENI	PRES-	LASI	ENI	PRES-
NUMBER OF VEHICLES	275	287	253	46	34	161	161	161	72	80	81	86
AVERAGE SPEED (MPH)	58.10	59.83	59.83	58.00	59.82	58.43	56.50	58.43	59.36	57.00	56.80	57.63
STANDARD DEVIATION	5.000	5.293	5.176	4.670	6.181	5.113	5.060	5.113	5.869	4.960	5.190	4.221
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	4	3	4	4	2	1	6	2	0	0	1	2
49 MPH	3.6	1.7	1.6	0	0	3.1	2.5	1.2	2.7	3.8	4.9	3.5
54 MPH	22.1	10.1	9.5	21.7	14.7	15.3	24.8	15.3	20.0	31.3	18.5	18.6
59 MPH	61.5	53.7	54.5	54.3	44.1	60.2	70.8	60.2	54.7	68.8	72.8	65.1
64 MPH	90.6	84.3	84.6	91.3	82.4	91.3	95.0	91.3	85.3	92.5	97.5	96.5
69 MPH	97.8	95.1	95.3	97.8	94.1	97.5	99.4	97.5	94.7	98.8	100.0	100.0
74 MPH	99.6	98.3	98.4	100.0	97.1	99.4	100.0	99.4	98.7	100.0	100.0	100.0
79 MPH	100.0	99.3	99.6	100.0	97.1	99.4	100.0	99.4	98.7	100.0	100.0	100.0
84 MPH	100.0	99.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	143	141	121	29	20	85	76	85	35	38	38	50
AVERAGE SPEED	57.80	59.94	60.15	58.40	58.70	57.66	56.50	57.66	58.43	55.70	55.70	57.12
DIRECTION	WB											
NUMBER OF VEHICLES	132	146	132	17	14	76	85	76	40	42	43	76
AVERAGE SPEED	58.40	59.71	59.53	58.70	61.43	59.39	57.70	59.39	60.17	57.60	57.90	58.73

TABLE 74 SPEED DATA

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STATION_U1-5    HIGHWAY_I-465    LOCATION_At Township Line Road Bridge
NO. OF LANES_6    TYPE_CF SURFACE_Concrete    WEATHER_Clear
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THIS OBSERVATION (SPEED REPORT NO.)

DATE 11-14-77
TIME 9:50 - 10:29 AM EB
11:05 - 11:37 AM WB

OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
NUMBER OF VEHICLES	0	215		0	187		0	217		0	62	
AVERAGE SPEED (MPH)	0	59.69		0	55.72		0	56.84		0	58.76	
STANDARD DEVIATION	0	4.754		0	4.850		0	5.065		0	4.700	
24 MPH	0	0		0	0		0	0		0	0	
29 MPH	0	0		0	0		0	0		0	0	
34 MPH	0	0		0	0		0	0		0	0	
39 MPH	0	0		0	0		0	0		0	0	
44 MPH	0	5		0	5		0	1.8		0	0	
49 MPH	0	1.4		0	1.6		0	6.0		0	0	
54 MPH	0	8.8		0	8.0		0	30.0		0	21.0	
59 MPH	0	53.5		0	50.8		0	73.3		0	62.9	
64 MPH	0	87.9		0	86.6		0	94.0		0	87.1	
69 MPH	0	96.3		0	96.3		0	100.0		0	100.0	
74 MPH	0	99.1		0	98.9		0	100.0		0	100.0	
79 MPH	0	100.0		0	100.0		0	100.0		0	100.0	
84 MPH	0	100.0		0	100.0		0	100.0		0	100.0	
89 MPH	0	100.0		0	100.0		0	100.0		0	100.0	
DIRECTION	FB											
NUMBER OF VEHICLES	0	108		0	95		0	105		0	30	
AVERAGE SPEED	0	59.87		0	60.03		0	57.79		0	58.83	
DIRECTION	WB											
NUMBER OF VEHICLES	0	107		0	92		0	112		0	32	
AVERAGE SPEED	0	59.10		0	59.39		0	55.96		0	58.69	

TABLE 15. SPEED DATA

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STATION RIALL      HIGHWAY Interstate  LOCATION See Individual Station
      Rural
NO. OF LANES            TYPE OF SURFACE            WEATHER           

THIS OBSERVATION                      LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 102)
DATE Oct. - Dec. 1977              DATE July - Sept. 1977
TIME                                 TIME           

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OBSERVATION	ALL		PASSENGER CARS		NON-INDIANA		INDIANA		ALL		TRUCKS	
	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
NUMBER OF VEHICLES	887	429	0	458	0	458	0	830	0	168	0	662
AVERAGE SPEED (MPH)	61.51	61.19	0	61.81	0	61.81	0	61.02	0	60.07	0	61.26
STANDARD DEVIATION	5.013	5.100	0	4.917	0	4.917	0	5.215	0	5.637	0	5.079
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	2	2	0	2	0	2	0	4	0	4	0	2
54 MPH	53	7	0	37	0	37	0	19	0	24	0	18
59 MPH	36.9	40.8	0	33.2	0	33.2	0	9.3	0	14.3	0	8.0
64 MPH	76.7	77.9	0	75.5	0	75.5	0	32.8	0	48.8	0	35.0
69 MPH	92.7	93.2	0	92.1	0	92.1	0	76.0	0	80.4	0	74.9
74 MPH	98.3	98.1	0	98.5	0	98.5	0	94.3	0	93.5	0	94.6
79 MPH	100.0	100.0	0	100.0	0	100.0	0	99.6	0	100.0	0	99.5
84 MPH	100.0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	100.0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 16 SPEED DATA

STATION 4LALL	HIGHWAY 4-Lane Rural	LCCATION See Individual Stations
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NO. OF LANES	TYPE OF SURFACE	WEATHER
1	ASPHALT	DRY
2	CONCRETE	WET
3	GRAVEL	DRY
4	GRAVEL	WET
5	GRAVEL	DRY
6	GRAVEL	WET
7	GRAVEL	DRY
8	GRAVEL	WET
9	GRAVEL	DRY
10	GRAVEL	WET
11	GRAVEL	DRY
12	GRAVEL	WET
13	GRAVEL	DRY
14	GRAVEL	WET
15	GRAVEL	DRY
16	GRAVEL	WET
17	GRAVEL	DRY
18	GRAVEL	WET
19	GRAVEL	DRY
20	GRAVEL	WET
21	GRAVEL	DRY
22	GRAVEL	WET
23	GRAVEL	DRY
24	GRAVEL	WET
25	GRAVEL	DRY
26	GRAVEL	WET
27	GRAVEL	DRY
28	GRAVEL	WET
29	GRAVEL	DRY
30	GRAVEL	WET
31	GRAVEL	DRY
32	GRAVEL	WET
33	GRAVEL	DRY
34	GRAVEL	WET
35	GRAVEL	DRY
36	GRAVEL	WET
37	GRAVEL	DRY
38	GRAVEL	WET
39	GRAVEL	DRY
40	GRAVEL	WET
41	GRAVEL	DRY
42	GRAVEL	WET
43	GRAVEL	DRY
44	GRAVEL	WET
45	GRAVEL	DRY
46	GRAVEL	WET
47	GRAVEL	DRY
48	GRAVEL	WET
49	GRAVEL	DRY
50	GRAVEL	WET
51	GRAVEL	DRY
52	GRAVEL	WET
53	GRAVEL	DRY
54	GRAVEL	WET
55	GRAVEL	DRY
56	GRAVEL	WET
57	GRAVEL	DRY
58	GRAVEL	WET
59	GRAVEL	DRY
60	GRAVEL	WET
61	GRAVEL	DRY
62	GRAVEL	WET
63	GRAVEL	DRY
64	GRAVEL	WET
65	GRAVEL	DRY
66	GRAVEL	WET
67	GRAVEL	DRY
68	GRAVEL	WET
69	GRAVEL	DRY
70	GRAVEL	WET
71	GRAVEL	DRY
72	GRAVEL	WET
73	GRAVEL	DRY
74	GRAVEL	WET
75	GRAVEL	DRY
76	GRAVEL	WET
77	GRAVEL	DRY
78	GRAVEL	WET
79	GRAVEL	DRY
80	GRAVEL	WET
81	GRAVEL	DRY
82	GRAVEL	WET
83	GRAVEL	DRY
84	GRAVEL	WET
85	GRAVEL	DRY
86	GRAVEL	WET
87	GRAVEL	DRY
88	GRAVEL	WET
89	GRAVEL	DRY
90	GRAVEL	WET
91	GRAVEL	DRY
92	GRAVEL	WET
93	GRAVEL	DRY
94	GRAVEL	WET
95	GRAVEL	DRY
96	GRAVEL	WET
97	GRAVEL	DRY
98	GRAVEL	WET
99	GRAVEL	DRY
100	GRAVEL	WET

THIS OBSERVATION (SPEED REPORT NO. 102)

DATE	TIME
Oct. - Dec. 1977	
DATE	TIME
July - Sept. 1977	
DATE	TIME

OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENI	PRES	LAST	ENI	PRES	LAST	ENI	PRES	LAST	ENI	PRES
NUMBER OF VEHICLES	0	992		0	847		0	145		0	244	
AVERAGE SPEED (MPH)	0	58.55		0	58.37		0	59.63		0	57.71	
STANDARD DEVIATION	0	5.304		0	5.315		0	5.126		0	5.715	
24 MPH	0	0		0	0		0	0		0	0	
29 MPH	0	0		0	0		0	0		0	0	
34 MPH	0	0		0	0		0	0		0	0	
39 MPH	0	0		0	0		0	0		0	0	
44 MPH	0	4		0	5		0	0		0	8	
49 MPH	0	4.6		0	5.1		0	2.1		0	2.0	
54 MPH	0	19.5		0	20.7		0	12.4		0	25.3	
59 MPH	0	58.4		0	59.6		0	51.0		0	64.2	
64 MPH	0	88.5		0	89.7		0	81.4		0	90.2	
69 MPH	0	97.1		0	97.0		0	97.2		0	98.3	
74 MPH	0	99.4		0	99.5		0	98.6		0	99.6	
79 MPH	0	99.9		0	100.0		0	99.3		0	99.9	
84 MPH	0	100.0		0	100.0		0	100.0		0	100.0	
89 MPH	0	100.0		0	100.0		0	100.0		0	100.0	

TABLE 17 SPEED DATA

STATION	2-LANE	RURAL	LOCATION	See Individual Stations
1				
2				
3				
4				
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6				
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11				
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92				
93				
94				
95				
96				
97				
98				
99				
100				

[illegible]

THIS OBSERVATION	LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 102)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
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62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100
101	101
102	102

	DATE	- Dec. 1977
	TIME	
	DATE	July - Sept. 1977
	TIME	

OBSERVATION	ALL		PASSENGER CARS		NON-INDIANA		ALL		TRUCKS	
	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	0	969	0	905	0	64	0	781	0	421
AVERAGE SPEED (MPH)	0	57.77	0	57.72	0	58.44	0	55.62	0	54.72
STANDARD DEVIATION	0	6.088	0	6.125	0	5.549	0	6.466	0	6.008
-24 MPH	0	0	0	0	0	0	0	0	0	0
-29 MPH	0	0	0	0	0	0	0	0	0	0
-34 MPH	0	0	0	0	0	0	0	0	0	0
-39 MPH	0	0	0	0	0	0	0	0	0	0
-44 MPH	0	1.1	0	1.2	0	0	0	1.0	0	1.2
-49 MPH	0	8.0	0	8.4	0	3.1	0	16.1	0	5.7
-54 MPH	0	28.0	0	28.3	0	23.4	0	40.3	0	19.0
-59 MPH	0	65.0	0	65.1	0	64.1	0	73.5	0	44.9
-64 MPH	0	88.1	0	88.4	0	84.4	0	91.9	0	72.9
-69 MPH	0	95.6	0	95.8	0	92.2	0	98.6	0	96.4
-74 MPH	0	99.3	0	99.2	0	100.0	0	99.4	0	100.0
-79 MPH	0	99.8	0	99.8	0	100.0	0	99.6	0	100.0
-84 MPH	0	99.9	0	99.9	0	100.0	0	99.7	0	100.0
-89 MPH	0	100.0	0	100.0	0	100.0	0	99.9	0	100.0

TABLE 18 SPEED DATA

STATION U1A11 HIGHWAY Interstate LOCATION See Individual Stations
 NO. OF LANES TYPE CF SURFACE WEATHER
 THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 102)
 DATE Oct. ~ Dec. 1977 DATE July - Sept. 1977
 TIME TIME

OBSERVATION	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	INDIANA			INDIANA			INDIANA			<5000 LBS		
	LAST	ENT	PRES	LAST	ENT	PRES	LAST	ENT	PRES	LAST	ENT	PRES
NUMBER OF VEHICLES	0	502		0	62		0	378		0	137	
AVE. SPEED (MPH)	0	59.68		0	58.98		0	57.52		0	59.09	
STANDARD DEVIATION	0	5.067		0	5.278		0	5.140		0	5.361	
24 MPH	0	0		0	0		0	0		0	0	
29 MPH	0	0		0	0		0	0		0	0	
34 MPH	0	0		0	0		0	0		0	0	
39 MPH	0	0		0	0		0	0		0	0	
44 MPH	0	0		0	0		0	0		0	0	
49 MPH	0	0		0	0		0	0		0	0	
54 MPH	0	0		0	0		0	0		0	0	
59 MPH	0	0		0	0		0	0		0	0	
64 MPH	0	0		0	0		0	0		0	0	
69 MPH	0	0		0	0		0	0		0	0	
74 MPH	0	0		0	0		0	0		0	0	
79 MPH	0	0		0	0		0	0		0	0	
84 MPH	0	0		0	0		0	0		0	0	
89 MPH	0	0		0	0		0	0		0	0	
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN												
	0	1.6		0	1.6		0	1.6		0	1.6	
	0	9.6		0	14.5		0	25.4		0	20.4	
	0	53.6		0	56.5		0	67.7		0	58.4	
	0	85.9		0	88.7		0	92.9		0	86.1	
	0	95.6		0	95.2		0	98.9		0	97.1	
	0	98.6		0	98.4		0	99.7		0	99.3	
	0	99.6		0	98.4		0	99.7		0	99.3	
	0	99.8		0	100.0		0	100.0		0	100.0	
	0	100.0		0	100.0		0	100.0		0	100.0	

TABLE 19 SPEED DATA

STATION ALL HIGHWAY Indiana System LOCATION See Individual Stations
 NO. OF LANES TYPE OF SURFACE WEATHER

THIS CENSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
 DATE Oct. - Dec. 1977 DATE July - Sept. 1977
 TIME TIME

	PASSENGER CARS										TRUCKS									
	INDIANA					NON-INDIANA					ALL					<5000 LBS.				
	ALL	PRES-	ENI	LASI	ENT	ALL	PRES-	ENI	LASI	ENT	ALL	PRES-	ENI	LASI	ENT	ALL	PRES-	ENI	LASI	ENT
OBSERVATION	LASI	ENT	LASI	ENT	LASI	LASI	ENT	LASI	ENT	LASI	LASI	ENT	LASI	ENT	LASI	LASI	ENT	LASI	ENT	LASI
NUMBER OF VEHICLES	0	3350	0	2621	0	0	729	0	2733	0	0	945	0	1728	0	0	945	0	1728	0
AVE. SPEED (MPH)	0	59.28	0	58.84	0	0	60.84	0	58.09	0	0	57.87	0	58.21	0	0	57.87	0	58.21	0
STANDARD DEVIATION	0	5.622	0	5.667	0	0	5.202	0	6.096	0	0	6.372	0	5.943	0	0	6.372	0	5.943	0
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 20
Monitoring of Speed
(Statistical Summary)

☒ Quarterly Report--Calendar Quarter Ending December 31, 1977

or ☐ Annual Report--Year Ending _____

STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	2	880	2.0	58.8	57.9	62.9	78	33	8
Interstate Rural	849	4	1717	8.9	61.3	60.0	66.0	90	54	20
Multi-lane, Divided	657	4	1736	8.1	58.2	57.7	62.7	72	32	8
Multi-lane, Undivided		(Included in multi-lane, divided classification)								
2-Lane, Rural	8030	4	1750	8.0	56.8	56.2	62.3	59	26	8
State Total	9754	14	6083	27.0	58.7	58.2	63.7	74	36	11

TABLE 21-

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY ----- INTERSTATE, RURAL -----
 STATION NUMBER RI-6 LOCATION I-65 7.5 miles north of SR 160
 NUMBER OF SESSIONS 1 DATES 11-9-77 ----- VEHICLES MEASURED 423
 AVERAGE SPEED (MPH) 60.2 STANDARD DEVIATION 5.0
 MEDIAN SPEED (MPH) 59.4 85TH PERCENTILE SPEED (MPH) 64.9
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH ----- 86 ----- 60 MPH ----- 46 ----- 65 MPH ----- 15 -----

TABLE 22--

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL
 STATION NUMBER RI-21 LOCATION I-69 1.6 miles south of SR 18
 NUMBER OF SESSIONS 1 DATES 11-21-77 VEHICLES MEASURED 436
 AVERAGE SPEED (MPH) 65.8 STANDARD DEVIATION 5.1
 MEDIAN SPEED (MPH) 59.9 85TH PERCENTILE SPEED (MPH) 65.6
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 88 60 MPH 50 65 MPH 18

TABLE 23

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL
 STATION NUMBER RI-22 LOCATION I-69 7.3 miles north of SR 3 interchange
 NUMBER OF SESSIONS 1 DATES 11-22-77 VEHICLES MEASURED 427
 AVERAGE SPEED (MPH) 61.5 STANDARD DEVIATION 5.2
 MEDIAN SPEED (MPH) 60.6 85TH PERCENTILE SPEED (MPH) 66.1
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 90 60 MPH 55 65 MPH 20

TABLE 24

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL
 STATION NUMBER RI-26 LOCATION I-80 & 90 3.75 miles east of LaGrange & Elkhart Co. Line at 112 mile post marker
 NUMBER OF SESSIONS 1 DATES 11-16-77 VEHICLES MEASURED 43
 AVERAGE SPEED (MPH) 62.5 STANDARD DEVIATION 4.9
 MEDIAN SPEED (MPH) 61.7 85TH PERCENTILE SPEED (MPH) 67.1
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 94 60 MPH 64 65 MPH 25

TABLE 25-

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY -----MULTI-LANE, DIVIDED (RURAL)-----
 STATION NUMBER 41-17 LOCATION U.S. 52 150 ft. east of county road 475W
 NUMBER OF SESSIONS 1 DATES 11-8-77 VEHICLES MEASURED 431
 AVERAGE SPEED (MPH) 57.1 STANDARD DEVIATION 5.8
 MEDIAN SPEED (MPH) 56.6 85TH PERCENTILE SPEED (MPH) 61.9
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH -----62-----28-----65 MPH -----7-----

TABLE 26 -

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY -----MULTI-LANE, DIVIDED (RURAL)-----
 STATION NUMBER 44-32 LOCATION U.S. 30 2.9 miles west of Wanatah
 city limit sign-----
 NUMBER OF SESSIONS 1 DATES 11-18-77 ----- VEHICLES MEASURED 439-----
 AVERAGE SPEED (MPH) 59.1 STANDARD DEVIATION 5.2-----
 MEDIAN SPEED (MPH) 58.5 85TH PERCENTILE SPEED (MPH) 63.5-----
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 79 60 MPH 39 65 MPH 10-----

TABLE 27-

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY -----MULTI-LANE, DIVIDED (RURAL)-----
 STATION NUMBER 44-1--LOCATION U.S. 41--2.55 miles south of SR 64
 NUMBER OF SESSIONS 1--DATES 11-19-77-----VEHICLES MEASURED 428--
 AVERAGE SPEED (MPH) 57.9--STANDARD DEVIATION 5.6--
 MEDIAN SPEED (MPH) 57.3--85TH PERCENTILE SPEED (MPH) 62.4--
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH -----12-----60 MPH -----27-----65 MPH -----8-----

TABLE 28

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)
STATION NUMBER 4L-23 LOCATION U.S. 31 3.95 miles north of Howard-Miami
County Line
NUMBER OF SESSIONS 1 DATES 11-17-77 VEHICLES MEASURED 438
AVERAGE SPEED (MPH) 58.6 STANDARD DEVIATION 5.1
MEDIAN SPEED (MPH) 58.0 85TH PERCENTILE SPEED (MPH) 62.7
PERCENTAGE OF VEHICLES EXCEEDING:
55 MPH 75 60 MPH 31 65 MPH 8

TABLE 29

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	TWO-LANE RURAL		
STATION NUMBER	24-18	LOCATION	U.S. 35 2.5 miles east of I-69
NUMBER OF SESSIONS	1	DATES	11-21-77
		VEHICLES MEASURED	444
AVERAGE SPEED (MPH)	57.4	STANDARD DEVIATION	5.7
MEDIAN SPEED (MPH)	56.5	85TH PERCENTILE SPEED (MPH)	62.6
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	64	60 MPH	26
		65 MPH	7

TABLE 30--

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY _TWO-LANE_ RURAL
 STATION NUMBER 21-54 LOCATION U.S. 231 1.1 miles south of SR 234
 NUMBER OF SESSIONS 1 DATES 11-15-77 VEHICLES MEASURED 427
 AVERAGE SPEED (MPH) 57.6 STANDARD DEVIATION 6.5
 MEDIAN SPEED (MPH) 56.9 85TH PERCENTILE SPEED (MPH) 62.6
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 64 60 MPH 30 65 MPH 9

TABLE 31--

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE RURAL
 STATION NUMBER 2L-55 LOCATION SR 67 5 miles south of SR 39 & 67
 NUMBER OF SESSIONS 1 DATES 11-11-77 VEHICLES MEASURED 418
 AVERAGE SPEED (MPH) 58.4 STANDARD DEVIATION 5.8
 MEDIAN SPEED (MPH) 57.5 85TH PERCENTILE SPEED (MPH) 62.9
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 72 60 MPH 33 65 MPH 11

TABLE 32--

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL
 STATION NUMBER 21-63 LOCATION SR 64 2.75 miles east of Gibson-Pike
County Line
 NUMBER OF SESSIONS 1 DATES 11-10-77 VEHICLES MEASURED 461
 AVERAGE SPEED (MPH) 54.1 STANDARD DEVIATION 6.4
 MEDIAN SPEED (MPH) 53.4 85TH PERCENTILE SPEED (MPH) 60.3
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 38 60 MPH 16 65 MPH 4

TABLE 33

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	INTERSTATE, URBAN
STATION NUMBER	UI-6
LOCATION	I-65 Just east of White River
NUMBER OF SESSIONS	1
DATES	11-14-77
VEHICLES MEASURED	448
AVERAGE SPEED (MPH)	59.3
STANDARD DEVIATION	5.3
MEDIAN SPEED (MPH)	58.2
85TH PERCENTILE SPEED (MPH)	63.4
PERCENTAGE OF VEHICLES EXCEEDING:	
55 MPH	82
60 MPH	36
65 MPH	9

TABLE 34

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN
 STATION NUMBER U1-5 LOCATION I-65 At Township Line Road Bridge
 NUMBER OF SESSIONS 1 DATES 11-14-77 VEHICLES MEASURED 432
 AVERAGE SPEED (MPH) 58.2 STANDARD DEVIATION 5.1
 MEDIAN SPEED (MPH) 57.5 85TH PERCENTILE SPEED (MPH) 62.3
 PERCENTAGE OF VEHICLES EXCEEDING:
 55 MPH 74 60 MPH 31 65 MPH 7

